(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 29 July 2004 (29.07.2004)

PCT

(10) International Publication Number WO 2004/063065 A3

(51) International Patent Classification7:

B65H 5/28

(21) International Application Number:

PCT/IB2004/000073

- (22) International Filing Date: 14 January 2004 (14.01.2004)
- (25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data: MI2003A000039

14 January 2003 (14.01.2003) IT

- (71) Applicant (for all designated States except US): CHT S.R.L. [IT/IT]; Via Galvani, 6, I-21040 Castronno (IT).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): SPINETTI, Alberto [IT/IT]; Via Viconago, 50, I-21031 Cadegliano Viconago (IT).
- (74) Agent: VALENTINI, Giuliano; Marietti, Gislon e Trupiano S.r.l., Via Larga, 16, I-20122 Milano (IT).

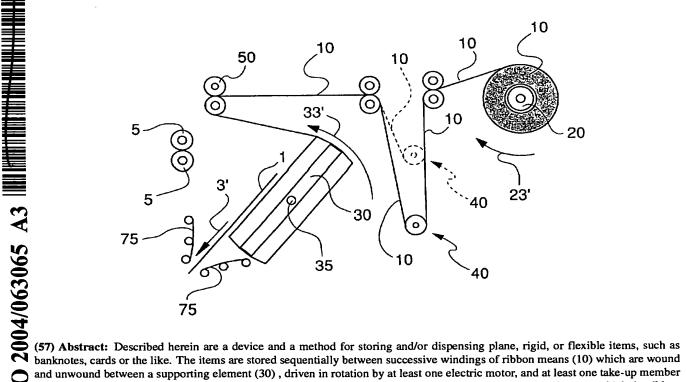
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: DEVICE AND METHOD FOR STORING AND/OR DISPENSING RIGID OR FLEXIBLE SUBSTANTIALLY PLA-NAR ITEMS



and unwound between a supporting element (30), driven in rotation by at least one electric motor, and at least one take-up member (20). The supporting element has a non-circular cross section for obtaining one or more distinct resting surfaces on which the ribbon means are wound.

(88) Date of publication of the international search report: 16 December 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

Inti anal Application No PCT/IB2004/000073

A. CLASSIFICATION OF SUBJECT MATTER I PC 7 B65H5/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{tabular}{ll} Minimum documentation searched (classification system followed by classification symbols) \\ IPC 7 B65H \end{tabular}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 0081, no. 77 (M-317), 15 August 1984 (1984-08-15) & JP 59 069332 A (FUJI XEROX KK), 19 April 1984 (1984-04-19)	1,2,5, 12,13, 30,31, 34,40, 41,55,57
Υ	abstract; figures	4,6-11, 33, 35-39,56
Y	WO 01/76002 A (EPCOS AG; ERHARDT WERNER (DE); MICHEL HARTMUT (DE); SCHOCH KLAUS (DE)) 11 October 2001 (2001-10-11) the whole document	4,6-11, 33,35-39
Y	US 5 680 935 A (EDIN GOESTA ET AL) 28 October 1997 (1997-10-28) cited in the application the whole document	56

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
30 June 2004	2 9. 09. 04
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Thibaut, E

2

INTERNATIONAL SEARCH REPORT

Inte nal Application No
PCT/IB2004/000073

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No.					
Category °	Citation of document, with indication, where appropriate, of the relevant passages	This take to daily 110.			
A	US 5 533 627 A (NORDQVIST LEIF) 9 July 1996 (1996-07-09) cited in the application				
A	US 4 337 864 A (MCLEAN CHARLES M) 6 July 1982 (1982-07-06) cited in the application				
A	US 4 496 142 A (IWASAKI YASUO) 29 January 1985 (1985-01-29)				
	·				

2

V

INTERNATIONAL SEARCH REPORT

national application No. PCT/IB2004/000073

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-13,30-41,55-57
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-13,30-41,55-57

Device for storing and/or dispensing substantially planar items in the form of rigid or flexible sheets, with non-circular supporting element on which ribbon means are wound

2. claims: 14-16,42-44

Device for storing and/or dispensing substantially planar items in the form of rigid or flexible sheets with ribbon means having special properties of adherence

3. claims: 17-29,45-54

Device for storing and/or dispensing substantially planar items in the form of rigid or flexible sheets means for driving and tensioning ribbon means

INTERNATIONAL SEARCH REPORT

Patent document ited in search report		Publication date		Patent family member(s)	Publication date
JP 59069332	Α	19-04-1984	NONE		
WO 0176002	A	11-10-2001	DE WO EP JP US	10015823 A1 0176002 A1 1273066 A1 2003529944 T 2003077506 A1	18-10-2001 11-10-2001 08-01-2003 07-10-2003 24-04-2003
US 5680935	A	28-10-1997	SE DE DE EP ES JP SE	505484 C2 69615247 D1 69615247 T2 0735513 A1 2162016 T3 8277053 A 9501180 A	01-09-1997 25-10-2001 13-06-2002 02-10-1996 16-12-2001 22-10-1996 01-10-1996
US 5533627	Α	09-07-1996	DE DE DK EP ES FI NO WO	69212498 D1 69212498 T2 615643 T3 0615643 A1 2090706 T3 942348 A 941909 A 9310511 A1	29-08-1996 21-08-1997 26-08-1996 21-09-1994 16-10-1996 12-07-1994 19-07-1994 27-05-1993
US 4337864	A	06-07-1982	AU AU AU BE CDE DK FI FR GB JP NC NZ NZ SE	549951 B2 3097884 A 539660 B2 6599581 A 887613 A1 1171036 A1 3042566 A1 454980 A 803426 A 2476618 A1 2071059 A ,B 2134493 A ,B 56123065 A 8100822 A 810592 A 195451 A 209017 A 8008286 A	20-02-1986 15-11-1984 11-10-1984 27-08-1981 15-06-1981 17-07-1984 27-08-1981 23-08-1981 23-08-1981 16-09-1981 15-08-1984 26-09-1981 16-09-1981 24-08-1981 09-11-1984 05-12-1986 23-08-1981
US 4496142	Α	29-01-1985	JP JP DE GB	58188260 A 59039651 A 3314653 A1 2122973 A ,B	02-11-1983 05-03-1984 03-11-1983 25-01-1984